

264-1152

12/9/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC 09 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Tammy Zimmer
Regulatory Manager
Bayer Crop Science LP
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Re: Final Printed Labels and Supplemental Labels for EPA Registration No. 264-1152
Submissions Dated June 18, August 11, and September 24, 2014
Decision numbers 429551, 495455, and 497412

Dear Ms. Zimmer:

Your final printed labels and supplemental labels, referred above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, are acceptable. The final printed labeling has been reviewed and placed in our files. Enclosed you will find copies of the stamped supplemental labels for Serenade ASO.

If you have any questions concerning this letter, please contact Michael Glikes by phone at (703) 305-6231 or by email at glikes.michael@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Shannon Borges".

Shannon Borges, Team Leader
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)



Bayer CropScience

Bayer CropScience LP
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)

Serenade® ASO

EPA Reg. No. 264-1152

For Use On: For use as a soil treatment on select agricultural field crops.

This supplemental label expires on 09/05/2017 and must not be used or distributed after this date.

Supplemental Label

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Read this label and the product package label before using this product. This Supplemental Label must be in the possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the product label for Serenade® ASO attached to the container.

USE DIRECTIONS FOR SPECIFIC CROPS

Serenade ASO has a 0-Day PreHarvest Interval for all crops contained on this label.

Under moderate to severe disease pressure, for improved performance, increase rates and reduce spray intervals as stated or use Serenade ASO in a tank-mix or rotational program with other registered fungicides.

Serenade ASO is a broad spectrum biofungicide for the prevention, suppression and control of soil borne diseases on a wide range of fruits and vegetables as well as cotton. Serenade ASO enhances germination and plant growth by suppressing soil diseases, such as those caused by *Rhizoctonia*, *Pythium*, *Fusarium*, *Verticillium* and *Phytophthora*. See the application tables for specific information.

APPLICATION INSTRUCTIONS:

All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications:

Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher rates when the weather conditions are expected to be conducive for disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. Serenade ASO can be mixed with chemical fungicides registered for soil applications.

Soil Surface (Drench) Applications at Planting: Use at planting, seeding, or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems.

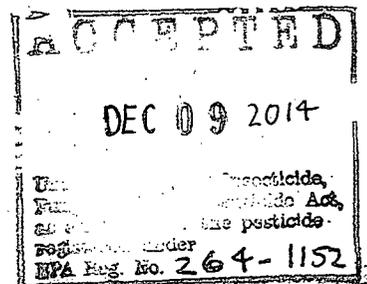
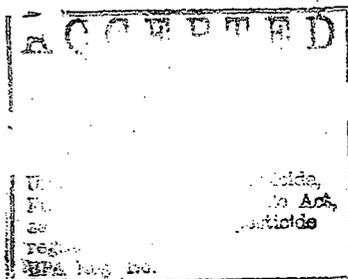
Shanked-In or Injected Applications: Serenade ASO can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients.

In-Furrow Applications:

For in-furrow applications, apply Serenade ASO as an in-furrow spray in the required amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered.

Soil Surface (Drench) Applications at Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.

Serenade is a Registered trademark of Bayer.
Created on 09/05/2014



Application Rates of Serenade ASO for Soil Uses in Field for Soil Borne/Seedling Disease Control

Crops	Disease	Rate (qt/acre)	Application Instructions
Animal Feed, Nongrass Alfalfa Clover Kudzu Lupin Vetch and other animal feed-nongrass crops	<i>Aphanomyces</i> spp. <i>Fusarium</i> spp. Bacterial wilt <i>Macrophomina</i> spp. <i>Phytophthora</i> spp. <i>Verticillium</i> spp.	1 - 6	<p>All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications:</p> <p>Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE ASO can be mixed with chemical fungicides registered for soil applications.</p> <p>Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems.</p> <p>Shanked-In and Injected Applications: Serenade ASO can be shanked-in or injected into the soil prior to, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients.</p> <p>In-Furrow Applications: For in-furrow applications, apply Serenade ASO as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered.</p> <p>Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.</p>
Brassica Leafy Vegetables (Cole Crops) Broccoli Cabbage Cauliflower Brussels Sprouts Collards Kale Mustard Greens Kohlrabi and other brassica leafy vegetables	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. [*] <i>Phytophthora</i> spp. Clubroot [*] <i>Plasmodiophora brassicae</i> <i>Macrophomina</i> spp. [*Not For Use In California]		
Bulb Vegetables [*] Onion Garlic Shallots and other bulb vegetables (including those grown for seed production)	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. <i>Phytophthora</i> spp. Bacterial Neck Rot Pink Root [*] <i>Phoma</i> spp. - (Suppression) [*Not For Use In California]		
Cereal Grains Barley Corn Millets Oat Rice Rye Sorghum Triticale Wheat and other cereal grain crops	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. <i>Phytophthora</i> spp. Bakanae <i>Gibberella fujikuroi</i> <i>Macrophomina</i> spp.		

Crops	Disease	Rate (qt/acre)	Application Instructions
Citrus Fruit [*] Orange Grapefruit Lemon Tangerine Tangelo Pummelo and other citrus crops	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. [*] <i>Fusarium</i> spp. <i>Verticillium</i> spp. <i>Phytophthora</i> spp. <i>Macrophomina</i> spp. [*Not For Use In California]	1 - 6	<p>All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications: Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE ASO can be mixed with chemical fungicides registered for soil applications.</p> <p>Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems.</p> <p>Shanked-In and Injected Applications: Serenade ASO can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients.</p> <p>In-Furrow Applications: For in-furrow applications, apply Serenade ASO as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered.</p> <p>Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.</p>
	<i>Phytophthora</i> spp. [*] [*Not For Use In California]		1 - 6

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Crops	Disease	Rate (qt/acre)	Application Instructions
Corn[*] Sweet Corn Popcorn Seed Corn Silage Corn Field Corn Cotton	<i>Rhizoctonia</i> spp. [*] <i>Pythium</i> spp. [*] <i>Fusarium</i> spp. [*] <i>Verticillium</i> spp. <i>Phytophthora</i> spp. [*Not For Use In California]	1 - 6	<p>All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications: Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE ASO can be mixed with chemical fungicides registered for soil applications.</p> <p>Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems.</p> <p>Shanked-In and Injected Applications: Serenade ASO can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients.</p> <p>In-Furrow Applications: For in-furrow applications, apply Serenade ASO as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered.</p> <p>Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.</p>
Cucurbit Vegetables Cucumber Cantaloupe Melon Muskmelon Squash Watermelon and other cucurbit vegetables	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. [*] <i>Phytophthora</i> spp. <i>Monosporascus cannonballus</i> <i>Macrophomina</i> spp. [*Not For Use In California]		
Fruiting Vegetables Pepper Tomato Eggplant Ground Cherry Tomatillo Okra and other fruiting vegetables	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. [*] <i>Phytophthora</i> spp. <i>Macrophomina</i> spp. [*Not For Use In California] Southern blight <i>Sclerotium rolfsii</i> Suppression Only		
Leafy Vegetables Lettuce Celery Spinach Parsley Radicchio and other leafy vegetables	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. <i>Phytophthora</i> spp.		

Crops	Disease	Rate (qt/acre)	Application Instructions
<p>Continued Leafy Vegetables</p> <p>Lettuce Celery Spinach Parsley Radicchio and other leafy vegetables</p>	<p>Sclerotinia Head and Leaf Drop - <i>Sclerotinia</i> spp.</p>	<p>1 - 6</p>	<p>All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications:</p> <p>Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE ASO can be mixed with chemical fungicides registered for soil applications.</p> <p>Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. Repeat applications on 10- to 14-day intervals if conditions for disease development persist. Use the stated higher rates under conditions conducive to moderate to severe disease pressure. Light irrigation after application to incorporate the product may improve disease control.</p> <p>Shanked-In and Injected Applications: Serenade ASO can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients. Repeat applications on 10- to 14-day intervals if conditions for disease development persist. Use the stated higher rates under conditions conducive to moderate to severe disease pressure. Light irrigation after application to incorporate the product may improve disease control.</p> <p>In-Furrow Applications: For in-furrow applications, apply Serenade ASO as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered. Repeat applications on 10- to 14-day intervals if conditions for disease development persist. Use the stated higher rates under conditions conducive to moderate to severe disease pressure. Light irrigation after application to incorporate the product may improve disease control.</p> <p>Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated on 10- to</p>

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			14-days intervals if conditions for disease development persist. Use the stated higher rates under conditions conducive to moderate to severe disease pressure.
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Crops	Disease	Rate (qt/acre)	Application Instructions
Legumes Vegetables (Succulent or Dried) Beans Green Beans Snap Beans Shell Beans Soybeans Dry Beans Garbanzo Beans Beans Lima Beans Peas Chick Peas Split Peas Lentils and other legume vegetables (including those grown for seed or oil production)	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. [*] <i>Fusarium</i> spp. [*] <i>Verticillium</i> spp. [*] <i>Phytophthora</i> spp. [*] <i>Macrophomina</i> spp. <i>Aphanomyces</i> spp. [*Not For Use In California]	1 - 6	All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications: Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE ASO can be mixed with chemical fungicides registered for soil applications. Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. Shanked-In and Injected Applications: Serenade ASO can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients. In-Furrow Applications: For in-furrow applications, apply Serenade ASO as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered. Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.
Oilseed Crops[*] Canola Castor Cotton Flax Rapeseed Safflower Sesame Sunflower and other oilseed crops (including those grown for seed or oil production)	<i>Rhizoctonia</i> spp. [*] <i>Pythium</i> spp. [*] <i>Fusarium</i> spp. [*] <i>Verticillium</i> spp. [*] <i>Phytophthora</i> spp. [*] <i>Clubroot</i> [*] <i>Plasmodiophora brassicae</i>		
Olive (including those grown for oil production)	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. <i>Phytophthora</i> spp.		
Peanut (including those grown for oil production)	<i>Rhizoctonia</i> spp. [*] <i>Pythium</i> spp. [*] <i>Fusarium</i> spp. [*] <i>Verticillium</i> spp. [*]		

	<p><i>Phytophthora</i> spp. [*] <i>Macrophomina</i> spp. <i>Sclerotium rolfsii</i> [*] <i>Aspergillus</i> spp. Cylindrocladium Black Rot [*] [*Not For Use In California]</p>		
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Crops	Disease	Rate (qt/acre)	Application Instructions
<p>Pome Fruit Apple Crabapple Pear Quince Mayhaw and other pome fruit</p>	<p><i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. <i>Phytophthora</i> spp.</p>		<p>All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications: Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE ASO can be mixed with chemical fungicides registered for soil applications.</p> <p>Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems.</p> <p>Shanked-In and Injected Applications: Serenade ASO can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients.</p> <p>In-Furrow Applications: For in-furrow applications, apply Serenade ASO as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered.</p> <p>Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.</p> <p>For <i>Colletotrichum</i> spp. Uses: Use a foliar fungicide to control stem lesions once plants have emerged.</p>
<p>Root and Tuber Vegetables Carrot Potato Sweet Potato Cassava Beets Ginger, Horseradish Radish Ginseng Turnip and other root and tuber vegetables (including those grown for seed production)</p>	<p><i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. [*] <i>Phytophthora</i> spp. Clubfoot <i>Plasmiodiophora brassicae</i> <i>Macrophomina</i> spp. <i>Aphanomyces</i> spp., <i>Sclerotium rolfsii</i>, <i>Erwinia</i> spp. [*] <i>Colletotrichum</i> spp.</p> <p>[*Not For Use In California]</p>	1 - 6	
	<p>Common Scab <i>Streptomyces scabies</i> (Suppression Only)</p>		
<p>Stone Fruit Apricot Cherry Nectarine Peach Plum Prune and other stone fruit</p>	<p><i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Verticillium</i> spp. <i>Phytophthora</i> spp.</p>		
Tobacco			
Strawberry	<p>Angular Leaf Spot <i>Xanthomonas fragariae</i> Black Root Rot (complex) Common Leaf Spot</p>		

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Created on 09/05/2014

	<i>Ramularia tulasneii</i> Leather Rot <i>Phytophthora cactorum</i> <i>Macrophomina</i> spp. Phytophthora Crown Rot <i>Phytophthora</i> spp. Red Stele <i>Phytophthora fragariae</i> Verticillium Wilt <i>Verticillium dahlia</i> <i>Rhizoctonia</i> spp. <i>Fusarium</i> spp.		
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Crops	Disease	Rate (qt/acre)	Application Instructions
Berries Blueberry Blackberry Raspberry Loganberry Huckleberry Cranberry Gooseberry Elderberry Currant and other berry crops	Armillaria Root Rot <i>Armillaria</i> spp. Verticillium Wilt <i>Verticillium dahlia</i> Phytophthora Root Rot <i>Phytophthora</i> spp.	1 - 6	All Soil Surface (Drench) Applications: Mix 1 qt [(32 fl oz)] to 6 qt [(192 fl oz)] of Serenade ASO in the appropriate amount of water per acre. Use the stated higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE ASO can be mixed with chemical fungicides registered for soil applications. Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems.
Grape	Oak Root Fungus Armillaria Root Rot <i>Armillaria mellea</i>		Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil as a drench or directed spray using hand-held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
 For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)
 As with any crop-protection product, always read and follow label directions.
 For additional information call toll-free 1-866-99BAYER (1-866-992-2937).